Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/07/2021 09:49 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/05/2021 10:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124975	-1	2.88	124926	2.84
Blue	F	SSC	125000	123918	-1	4.68	124344	4.59
Blue	E	FITC	14400	14039	-3	3.36	323	15.47
Blue	D	PE	24713	24249	-2	2.88	555	10.88
Blue	B	PerCP-Cy5-5	31796	31296	-2	3.98	1036	14.48
Blue	A	PE-Cy7	21240	21210	-1	5.99	570	28.85
Red	C	APC	41319	41165	-1	3.61	1719	11.39
Red	A	APC-Cy7	21019	20559	-3	3.93	774	11.61
Violet	B	V450	7305	6997	-5	4.27	434	12.41
Violet	A	V500	28652	27236	-5	3.89	686	9.87

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23244	2.93	569	0	N/A	N/A	Pass
Blue	F	SSC	57437	3.34	521	9	N/A	N/A	Pass
Blue	E	FITC	59	49.42	494	3	0.0384	0	Pass
Blue	D	PE	116	35.73	491	4	0.3964	252	Pass
Blue	B	PerCP-Cy5-5	194	34.38	587	3	0.0205	32	Pass
Blue	A	PE-Cy7	113	67.72	634	4	0.0226	4	Pass
Red	C	APC	398	23.46	577	4	0.0292	171	Pass
Red	A	APC-Cy7	174	26.22	546	1	0.0064	718	Pass
Violet	B	V450	59	59.82	453	-3	0.0551	1655	Pass
Violet	A	V500	98	32.77	466	-4	0.0269	681	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.17	-32.02	1.04
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.41
Red	21.00	15.99 - 23.99	N/A	N/A	30.56	30.66	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 15007

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments